

1       Claims

2           1.     Apparatus for mixing and dispensing gasoline and oil, comprising:  
3                   a tank receiving gasoline and oil;  
4                   a selectively operable pump having an inlet connected to a draw tube extending  
5     into said tank;  
6                   said pump also having an outlet having a fluid connection to a dispenser nozzle  
7     allowing selective fuel outflow of fuel from said tank delivered by said pump for dispensing said  
8     fuel;  
9                   said pump outlet also having a fluid connection to a selectively operated valve,  
10    said valve connected to a down tube extending down into said tank to the vicinity of the bottom  
11   region thereof; and a  
12                  jetting pipe connected thereto directing a mixing jet of liquid into said tank upon  
13    opening of said valve when said pump is operating.

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15           2.     The apparatus according to claim 1 wherein said jetting pipe extends  
16    generally horizontally to direct a jet flow of liquid across said tank bottom region.

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18           3.     The apparatus according to claim 2 wherein said jetting pipe is of a  
19    smaller diameter than said down tube.

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21           4.     A method of mixing and dispensing gasoline and oil for a two cycle  
22    engine, comprising the steps of:

1                    introducing gasoline and oil into a tank;

2                    connecting a pump inlet to a draw tube extending down into said tank to enable

3                    pumping said gasoline and oil out of said tank;

4                    connecting a pump outlet to a dispensing nozzle for dispensing said gasoline and

5                    oil;

6                    selectively connecting said pump outlet to a pipe extending back into said tank to

7                    divert an outflow of liquid from said pump back into said tank; and,

8                    forming a jetting outflow of liquid received in said down tube into said tank to

9                    create a mixing of gasoline and oil in said tank;

10                  thereafter discontinuing said diverted out flow; and

11                  dispensing said mixed gasoline and oil fuel from said nozzle.

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13                  5.         The method according to claim 4 including the step of directing said

14                  jetting outflow across a bottom region of said tank.

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